

Claims

What is claimed is:

1. A composite blade, in which there is an
essentially plate-like blade component with a composite-
5 construction and retention members arranged in its rear
part, and which blade is intended to be installed in a
special blade holder with the said retention members
remaining in the throat of the blade holder,
characterized in that the retention members are formed
10 of profiling arranged as a lateral extension of the
blade component, which profiling extends essentially
over the entire length of the blade and which is of the
same piece as the blade component.

2. A blade according to claim 1, characterized
15 in that the profiling is essentially uniform in cross-
section and extends on both sides of the blade component
over the thickness of the blade component.

3. A blade according to claim 1, characterized
in that the profiling has a non-uniform cross-section
20 and the protruding parts of the profiling are formed to
be flexible.

4. A blade according to claim 1, characterized
in that the profiling has a hollow cross-section, in
25 which case a medium connection is arranged to the upper
and/or lower side of the blade component from the
interior space of the profiling thus formed.

5. A blade according to claim 1, characterized
in that the composite material contains reinforcing
fibers, arranged essentially in the lateral direction of
30 the blade.

105020-2404200

6. A blade according to claim 1, characterized in that the blade is arranged to be used as the doctor blade of a doctor.

7. A method for manufacturing a composite
5 blade, in which method an essentially plate-like blade component is formed from composite material, and retention members are arranged in the rear part of the blade component to retain the blade in the throat of a special blade holder, characterized in that a unified
10 blank is formed from composite material, to that both the blade component and the profiling forming the retention members are manufactured simultaneously, and from which blank the blade with its retention members is detached.

15 8. A method according to claim 7, characterized in that the blank is formed by pultrusion.

9. A method according to claim 7, characterized in that two or more blades and their corresponding profiling are formed in the blank.

20 10. A method according to claims 7, characterized in that holes or similar, arranged according to the blade-moving devices to be used, are machined in the upper and/or lower surface of the profiling.

Dokument-Nr. 320747460